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FACSIMILE MEMORANDUM

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**TO:** Examiner Jason Cardone, Group 2142  
**FAX #:** (703) 746 7239 (1301-004)  
**FROM:** A. José Cortina  
**DATE:** June 17, 2004  
**RE:** U.S. Application No. 09/672,421 to Bulka et al.;  
Atty. Docket No. 40921/205583 (1301-004)

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Please see the attached facsimile Response to Office Action and confirm receipt thereof. The original and check payment have today been mailed by Express Mail EV 406652200US.

PTO/SB/21 (6-98)

# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

29

Application Number	09/672,421
Filing Date	September 28, 2000
First Named Inventor	Bulka et al.
Group / Art Unit	2142
Examiner Name	Cardone, Jason D.
Attorney Docket No.	40921/205583 (1301-004)

Total Number of Pages in This Submission

29

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input checked="" type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input checked="" type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Small Entity Statement <input type="checkbox"/> Request for Refund	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input checked="" type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below):
		Express Mail No. <b>EV406652200US</b> Fee Determination Record Check for \$86 Return Receipt Postcard
Remarks		

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name **A. Jose Cortina, Reg. No. 29,733**

Signature

Date

June 17, 2004

## CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as express mail in an envelope addressed to: Mail Stop Amendment, Director for Patents, P O Box 1450, Alexandria VA 22313-1450 on this date:

Typed or printed name

**Lynette M. Bailey**

Signature

Date

06/17/04

Attorney Docket No. 40921/205583 (1301-004)

**CERTIFICATE OF EXPRESS MAILING UNDER 37 CFR 1.10**

Express Mail mailing label number: EV 406652200 US

Applicant: Bulka et al.

TITLE: NEGATIVE CACHE MANAGEMENT SYSTEM  
AND METHOD

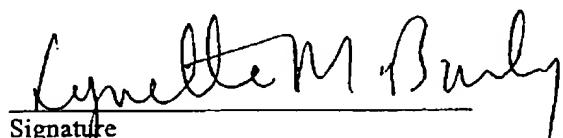
Date of Deposit June 17, 2004

Type of Document(s) Certificate of Express Mailing (1 page);  
Transmittal Form;  
Patent Application Fee Determination Record;  
Fee Transmittal in Duplicate;  
Check for \$86;  
Amendment and Response with replacement Figures 4 and 6;  
Associate Power of Attorney; and  
Return Receipt Postcard.

Serial No.: 09/672,421

Filing Date: September 28, 2000

I hereby certify that the documents identified above are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on June 17, 2004 and is addressed to the Mail Stop Amendment, Commissioner for Patents, Post Office Box 1450, Alexandria, Virginia 22313-1450.

  
Signature

Lynette M. Bailey

Approved for use through 04/30/2003. OMB 0651-0032  
 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
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# FEE TRANSMITTAL for FY 2004

Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT (\$)** 86.00

Complete If Known

Application Number	09/672,421
Filing Date	September 28, 2000
First Named Inventor	Bulka et al.
Examiner Name	Cardone, Jason D.
Group / Art Unit	2142
Attorney Docket No.	40921/205583 (1301-004)

## METHOD OF PAYMENT (check all that apply)

Check  Credit card  Money Order  Other  None

Deposit Account:

Deposit Account Number

Deposit Account Name

The Commissioner is authorized to: (check all that apply)  
 Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) during the pendency of this application  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)		
1001 770	2001 385	Utility filing fee	<input type="text"/>
1002 340	2002 170	Design filing fee	<input type="text"/>
1003 530	2003 265	Plant filing fee	<input type="text"/>
1004 770	2004 385	Reissue filing fee	<input type="text"/>
1005 160	2005 80	Provisional filing fee	<input type="text"/>
<b>SUBTOTAL (1)</b>		<b>(S) 0</b>	<input type="text"/>

### 2. EXTRA CLAIM FEES

Total Claims	-20 **	=	Extra Claims	X	Fee from below	=	Fee Paid
Independent Claims	<input type="text"/>	=	<input type="text"/>	X	<input type="text"/>	=	<input type="text"/>
Multiple Dependent	<input type="text"/>	=	<input type="text"/>	X	<input type="text"/>	=	<input type="text"/>

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)		
1202 18	2202 9	Claims in excess of 20	<input type="text"/>
1201 86	2201 43	Independent claims in excess of 3	<input type="text"/>
1203 290	2203 145	Multiple dependent claim, if not paid	<input type="text"/>
1204 86	2204 43	** Reissue independent claims over original patent	<input type="text"/>
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent	<input type="text"/>
<b>SUBTOTAL (2)</b>		<b>(S) 86.00</b>	<input type="text"/>

\*\*or number previously paid, if greater; For Reissues, see above

## 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)		
1051 130	2051 65	Surcharge - late filing fee or oath	<input type="text"/>
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	<input type="text"/>
1053 130	1053 130	Non-English specification	<input type="text"/>
1812 2,520	1812 2,520	For filing a request for reexamination	<input type="text"/>
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	<input type="text"/>
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	<input type="text"/>
1251 110	2251 55	Extension for reply within first month	<input type="text"/>
1252 420	2252 210	Extension for reply within second month	<input type="text"/>
1253 950	2253 475	Extension for reply within third month	<input type="text"/>
1254 1,480	2254 740	Extension for reply within fourth month	<input type="text"/>
1255 2,010	2255 1,005	Extension for reply within fifth month	<input type="text"/>
1401 330	2401 165	Notice of Appeal	<input type="text"/>
1402 330	2402 165	Filing a brief in support of an appeal	<input type="text"/>
1403 290	2403 145	Request for oral hearing	<input type="text"/>
1451 1,510	1451 1,510	Petition to institute a public use proceeding	<input type="text"/>
1452 110	2452 55	Petition to revive – unavoidable	<input type="text"/>
1453 1,330	2453 685	Petition to revive – unintentional	<input type="text"/>
1501 1,330	2501 665	Utility issue fee (or reissue)	<input type="text"/>
1502 480	2502 240	Design issue fee	<input type="text"/>
1503 640	2503 320	Plant issue fee	<input type="text"/>
1460 130	1460 130	Petitions to the Commissioner	<input type="text"/>
1807 50	1807 50	Processing fee under 37 CFR 1.17 (q)	<input type="text"/>
1806 180	1806 180	Submission of Information Disclosure Stmt	<input type="text"/>
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	<input type="text"/>
1809 770	2809 385	Filing a submission after final rejection (37 CFR § 1.129(a))	<input type="text"/>
1810 770	2810 385	For each additional invention to be examined (37 CFR § 1.129(b))	<input type="text"/>
1801 770	2801 385	Request for Continued Examination (RCE)	<input type="text"/>
1802 900	1802 900	Request for expedited examination of a design application	<input type="text"/>
Other fee (specify)			<input type="text"/>

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)**

**(\$0.00)**

## SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	A. Jose Cortina	Registration No./Attorney/Agent	29,733	Telephone	919-544-5444
Signature			Date	June 17, 2004	

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P O Box 1450 Alexandria, VA 22313

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PTO/SB/06 (08-03)

Approved for use through 7/31/2006. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**PATENT APPLICATION FEE DETERMINATION RECORD**  
Substitute for Form PTO-875Application or Docket Number  
**09/672,421****CLAIMS AS FILED – PART I**

(Column 1) (Column 2)

FOR	NUMBER FILED	NUMBER EXTRA
BASIC FEE (37 CFR 1.16(a))		
TOTAL CLAIMS (37 CFR 1.16(c))	38 minus 20 =	=
INDEPENDENT CLAIMS (37 CFR 1.16(d))	3 minus 3 =	=
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(d))		

\* If the difference in column 1 is less than zero, enter "0" in column 2.

**CLAIMS AS AMENDED – PART II**

(Column 1) (Column 2) (Column 3)

AMENDMENT A		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total (37 CFR 1.16(e))	*	30	Minus	-- 38 = 0
	Independent (37 CFR 1.16(b))	*	4	Minus	*** 3 = 1
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d))					

**SMALL ENTITY**

RATE	FEES
X \$ ____ =	
X \$ ____ =	
X \$ ____ =	
+ \$ ____ =	
<b>TOTAL</b>	

**OTHER THAN  
SMALL ENTITY**

RATE	FEES
X \$ ____ =	
X \$ ____ =	
X \$ ____ =	
+ \$ ____ =	
<b>TOTAL</b>	

**SMALL ENTITY**

RATE	ADDITIONAL FEE
X \$ ____ =	
X \$ ____ =	
X \$ ____ =	
+ \$ ____ =	
<b>TOTAL ADD'L FEE</b>	

**OTHER THAN  
SMALL ENTITY**

RATE	ADDITIONAL FEE
X \$ ____ =	
X \$ 86 =	86
+ \$ ____ =	
<b>TOTAL ADD'L FEE</b>	86

(Column 1) (Column 2) (Column 3)

AMENDMENT B		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total (37 CFR 1.16(e))	*	Minus	--	=
	Independent (37 CFR 1.16(b))	*	Minus	---	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d))					

**SMALL ENTITY**

RATE	ADDITIONAL FEE
X \$ ____ =	
X \$ ____ =	
X \$ ____ =	
+ \$ ____ =	
<b>TOTAL ADD'L FEE</b>	

**OTHER THAN  
SMALL ENTITY**

RATE	ADDITIONAL FEE
X \$ ____ =	
X \$ ____ =	
X \$ ____ =	
+ \$ ____ =	
<b>TOTAL ADD'L FEE</b>	

(Column 1) (Column 2) (Column 3)

AMENDMENT C		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total (37 CFR 1.16(e))	*	Minus	--	=
	Independent (37 CFR 1.16(b))	*	Minus	---	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d))					

RATE	ADDITIONAL FEE
X \$ ____ =	
X \$ ____ =	
X \$ ____ =	
+ \$ ____ =	
<b>TOTAL ADD'L FEE</b>	

**OTHER THAN  
SMALL ENTITY**

RATE	ADDITIONAL FEE
X \$ ____ =	
X \$ ____ =	
X \$ ____ =	
+ \$ ____ =	
<b>TOTAL ADD'L FEE</b>	

\* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

\*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

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